



DH-IPC-HDBW5449R1-ZE-LED

4MP Full-color Vari-focal Warm LED Dome WizMind Network Camera





Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

Series Overview

With starlight solution and deep learning algorithm, Dahua WizMind 5 Series network camera has various intelligent functions, including face capture, perimeter protection and people counting, which greatly improve the accuracy of video analysis. The series camera supports dustproof function, waterproof function and vandal-proof function, complying with the standards of IP67 and IK10 (Supported by some select models).

Functions

Full-color

With high-performance sensor and large aperture lens, Dahua Full-color technology can display clear colorful image in the environment of ultralow illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

Face Detection

Dahua Face Detection technology can detect the face in the image. With deep learning algorithm, the technology supports detecting, tracking, capturing and selecting the best face image, and then outputs face snapshot.

Perimeter Protection

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion, fast moving, parking detection, loitering detection and gathering detection) are largely reduced.

- · 4MP,1/1.8" CMOS image sensor, low illuminance, high image definition
- · Outputs max. 4MP (2688 × 1520) @30 fps
- · Built-in warm illuminator, and the max. illumination distance is 40 m
- · ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- · Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- · Abnormality detection: Motion detection, privacy masking, no SD card, SD card full, SD card error, network disconnection, IP conflict, and illegal access.
- · Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic and speaker.
- · 12V DC/PoE power supply
- · IP67, IK10 protection
- · SMD Plus













People Counting

With deep learning algorithm, Dahua People Counting technology can track and process moving human body targets to realize the accurate statistics of enter No., leave No., and In Area No. Working with management platform, it outputs yearly/monthly/weekly/daily reports to meet your requirements.

Cyber Security

Dahua network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device.

Protection (IP67, IK10, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

IK10: The enclosure can stand the punch more than 5 times from a 5 kg hammer falling from a height of 40 cm (Impact energy is 20J). Wide voltage: The camera allows ±30% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Camera Image Sensor						and nace number and displaying 1 1 111
Image Sensor	Technical Specification Camera					and pass number, and displaying and outputting yearly/ monthly/weekly/daily reports Support the counting of number in area, and 4 rules configuration
•	1/1.8"4Meg	gapixel progress	sive CMOS		People Counting	Counting of number in area, and 4 rules configuration Count number of people or stay time and link alarm Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm
Max. Resolution	2688 (H) × 3	1520 (V)				
ROM	128 M				Intelligent Search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to
RAM 512 M						event videos.
Scanning System Progressive					Video	
Electronic Shutter Sp	peed Auto/Manu	al 1/3 s–1/100,	000 s		Video Compression	H.265; H.264; H.264H; H.264B; MJPEG (only supported by the sub stream)
Min. Illumination 0.0005Lux@F1.0					Smart Codec	Smart H.265+/Smart H.264+
S/N Ratio	>56 dB	>56 dB			Video Frame Rate	Main stream 2688 × 1520 (1 fps-25/30 fps) 2560 × 1440 (1 fps-25/30 fps) Sub stream 704 × 576@1-25 fps/704 × 480@1-30 fps Third stream (1920 × 1080 @1-25/30 fps)
Illumination Distance	e 40m(131.2	40m(131.2 ft)				
Illuminator On/Off Co	ontrol Auto/Manu	Auto/Manual			Stream Capability	3 streams
Illuminator Number	3(Warm ligh	3(Warm light)				AM (2000 : 4520) AM (2500 : 4440) 2M (2204 :
Pan/Tilt/Rotation Ra	inge Tilt: 0°–80°	Pan: 0°–355° Tilt: 0°–80° Rotation: 0°–355°			Resolution	4M (2688 × 1520); 4M (2560 × 1440); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Lens					Bit Rate Control	CBR/VBR
Lens Type	Motorized	Motorized vari-focal			Video Bit Rate	H.264: 32 kbps-8192 kbps
Mount Type	ф14					H.265: 12 kbps–8192 kbps
Focal Length	2.7 mm-12	mm			Day/Night	Color/B/W
Max. Aperture	F1.0	F1.0			BLC	Yes
Field of View	Vertical: 59	Horizontal: 115°–48° Vertical: 59°–27° Diagonal: 142°–55°			HLC WDR	Yes 140 dB
Iris Type	Auto				Scene Self-adaptation	Yes
Close Focus Distance	1.75m(5.74	1.75m(5.74 ft)				Auto/natural/street lamp/outdoor/manual/regional
Lens	s Detect	Observe	Recognize	Identify	White Balance	custom
DORI W	60.4 m	24.1 m	12 m	6 m	Gain Control	Auto/Manual
Distance	(198.2 ft)	(79.1 ft)	(39.4 ft)	(19.7 ft)	Noise Reduction	3D DNR
Т	128.6 m (421.9 ft)	51.4 m (168.6 ft)	25.7 m (84.3 ft)	12.8 m (42.0 ft)	Motion Detection	OFF/ON (4 areas)
Smart event				Region of Interest (RoI)	Yes (4 areas)	
IVS	Abandoned	object; missing	g object		Defog	Yes
Heat Map	Yes				Image Rotation	0°/90°/180°/270°
Professional, intelligent				Mirror	Yes	
	Trinwire: in:	Tripwire; intrusion; fast moving (the three functions			Privacy Masking	4 areas
IVS (Perimeter Protec	ction) support the	classification and human); loit	and accurate d	etection	Audio	
		parking detection	-	,,,	Built-in MIC	Yes
Face Detection	enhanceme face, single time snapsk	Face detection; track; optimization; snapshot; face enhancement; face exposure; face matting setting: face, single inch photo; three snapshot methods: realtime snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting			Audio Compression	PCM; G.711a; G.711Mu; G.726; AAC; G.723

Alarm					
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; voltage detection; motion detection; video tampering; scene changing; audio detection; intrusion; tripwire; fast moving (the three functions support the classification and accurate detection of vehicle and human); abandoned object; missing object; loitering detection; people gathering; parking detection; people counting; face detection; SMD				
Network					
Network	RJ-45 (10/100 Base-T)				
SDK and API	Yes				
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade				
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP				
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P				
User/Host	20 (Total bandwidth: 80 M)				
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS				
Browser	IE: IE8, IE9, IE11 Chrome Firefox				
Management Software	Smart PSS; DSS; DMSS				
Mobile Client	IOS; Android				
Port					
Audio Input	1 channel (RCA port)				
Audio Output	1 channel (RCA port)				
Alarm Input	1 channel in: 5mA 3V–5V DC				
Alarm Output	1 channel out: 300mA 12V DC				
Power					
Power Supply	DC12V/PoE (802.3af)				
Power Consumption	Basic: 2.2W (12 V DC); 2.8 W (PoE) Max. (H.265+Face detection+LED on): 9.5 W (12V DC); 10.5 W (PoE)				
Environment					
Operating Conditions	-30°C to +60°C (-22°F to +140°F)/Less than 95% RH				
Strorage Conditions	-40°C to +60°C (-40°F to +140°F)				
Protection Grade	IP67; IK10				
Structure					
Casing	Metal				
Dimensions	105 mm × Φ126 mm (4.1" × Φ5.0")				
Net Weight	716.4 g (1.6 lb)				
Gross Weight	929.7 g (2.0 lb)				

Ordering Information							
Туре	Part Number	Description					
4MP Camera	DH-IPC- HDBW5449R1P- ZE-LED	4MP Full-color Vari-focal Warm LED Dome WizMind Network Camera, PAL					
4IVIP Camera	IPC- HDBW5449R1P- ZE-LED	4MP Full-color Vari-focal Warm LED Dome WizMind Network Camera, PAL					
	PFA137	Junction Box					
	PFA200W	Rain Shade					
	PFB203W	Wall Mount					
	PFA152-E	Pole Mount					
Accessories	PFA109	Mount Adapter					
(optional)	PFB220C	Celling Mount					
	PFM321D	12V DC/1A Power Adapter					
	LR1002-1ET/1EC	Single-port Long Reach Ethernet over Coax Extender					
	PFM900-E	Integrated Mount Tester					
	PFM114	TLC SD Card					

Accessories

Optional:



PFA137 Junction Box



PFA200W Rain Shade



PFB203W Wall Mount



PFA152-E Pole Mount



PFA109 Mount Adapter



PFB220C Celling Mount



PFM321D DC12V1A Power Adapter



LR1002-1ET/1EC Single-port long reach ethernet over coax extender

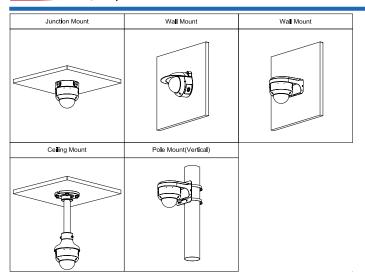


PFM900-E Integrated Mount tester



PFM114 TLC SD card

Wiz Mind | DH-IPC-HDBW5541R1-AS-PV



Dimensions (mm/inch)

